

I observed here also some fine veins of zinc ore (calamine) which may be profitably mined, for some of them are of good size, being from three to nine inches in thickness, and in positions that are very favorable for mining.

There is a probability of some of them being also found near enough to the argentiferous veins to be mined in connection with them, which will save a large amount in mining operations where the veins may not be all of large size.

The rocks in this part of the country appear to be cut in all directions by mineral veins, variously composed; some of them are quite large, being as much as three feet in thickness.

Transverse sections of some of them may be seen along the coast at some points, particularly in the sea cliffs between the Fish Pond River and the mouth of the Mackenzie River, where masses of galena are found distributed through some of them; but not in sufficient quantity for mining, as far as can be seen on the surface.

But the facilities for mining are of such a favorable character that veins comparatively poor in ore might be profitably worked.

The prevailing rock here is a hard gray sandstone, either of Devonian or upper silurian age. It is highly metamorphosed, and very much disturbed by intrusive masses and dykes of syenite, and springs of highly mineralized water issue from it in some places, which fact may be regarded as an indication of the existence of extensive deposits of metallic ores.

In closing this report, I cannot but express regret at having been compelled by unfavorable weather and the lateness of the season to abandon exploring operations in this interesting locality without being able to bring my labors to a more satisfactory conclusion.

However, as much that is of a highly important character remains yet to be done in this district, particularly in connection with the discovery of silver, I trust I shall be enabled to attend to it as early in the ensuing summer as circumstances will permit.

I have the honor to be,

Sir,

Your obedient servant,

J. CAMPBELL.